

The LBT partnership



Cultural and interest diversity: more an asset than a burden!



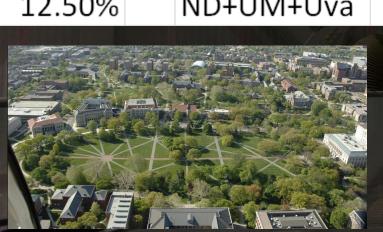


LBTC - The Large Binocular Telescope Corporation





AZ	25.00%	AZ	26.25%
INAF	25.00%	INAF	25.00%
LBTB	25.00%	LBTB	25.00%
OSU	12.50%	OSU	15.31%
RC	12.50%	ND+UM+Uva	8.44%







LBTO a Department of the University of Arizona

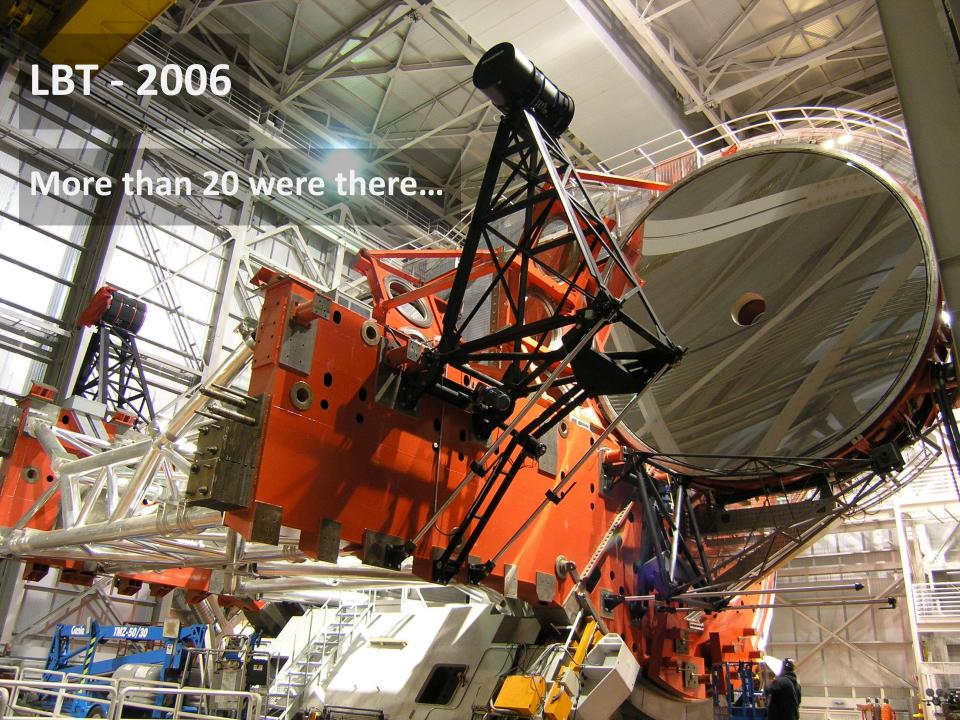
- 59 people by mid-2014
 - 20 mostly on the mountain
 - 14 Safford-based (mountain crew)
 - 3 telescope operators
 - 3 instrument technicians
 - 39 mostly in Tucson
 - 4 administration
 - 26 engineering
 - 10 scientists
 - 4 facility instrument support astronomers

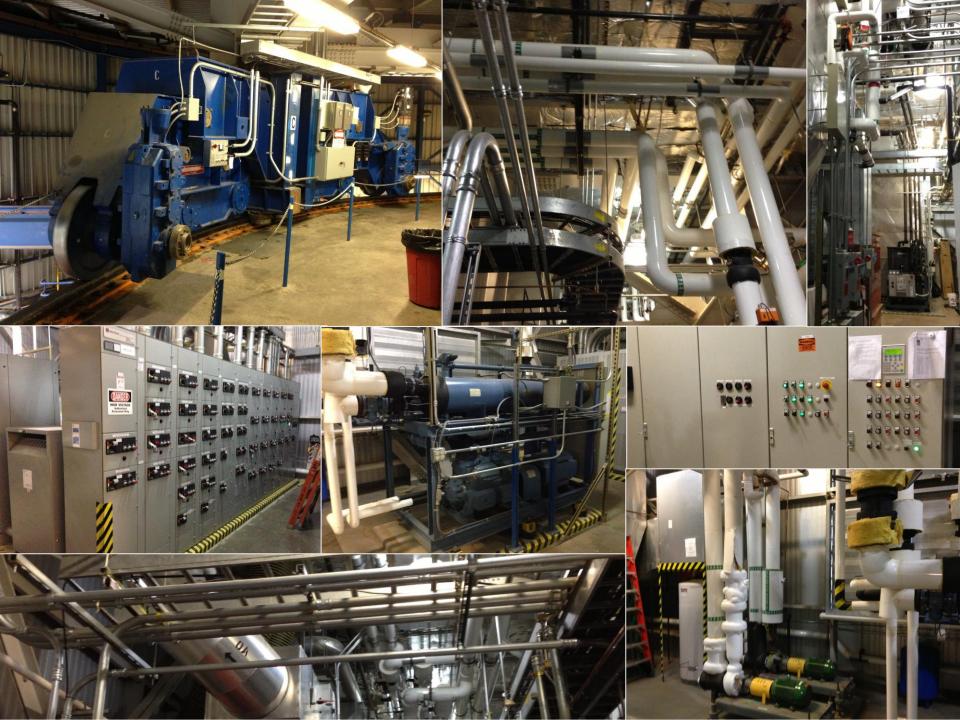




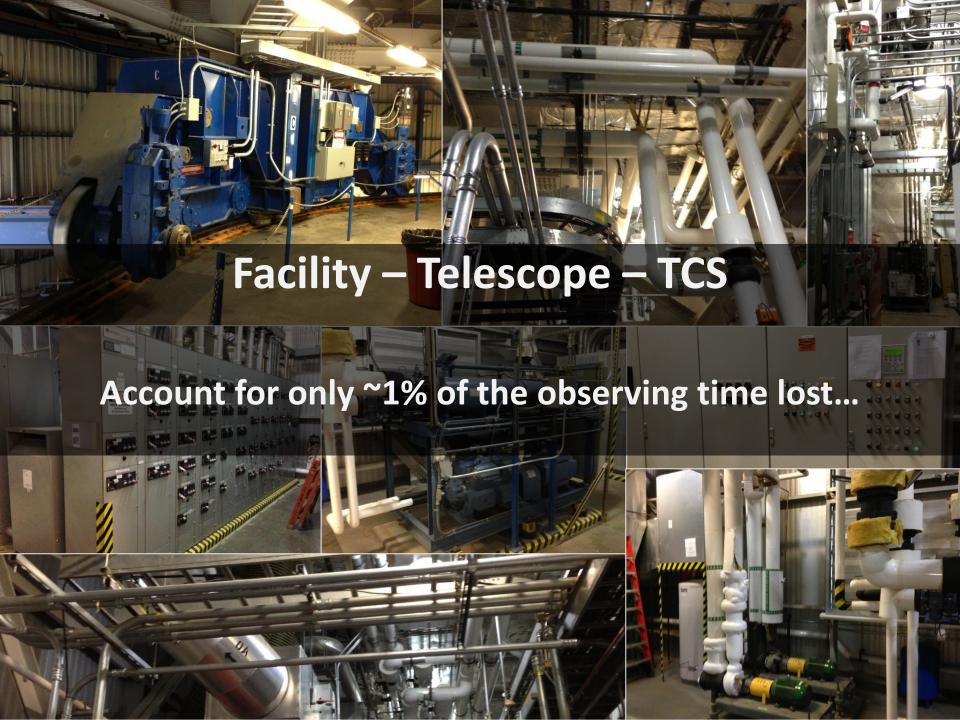


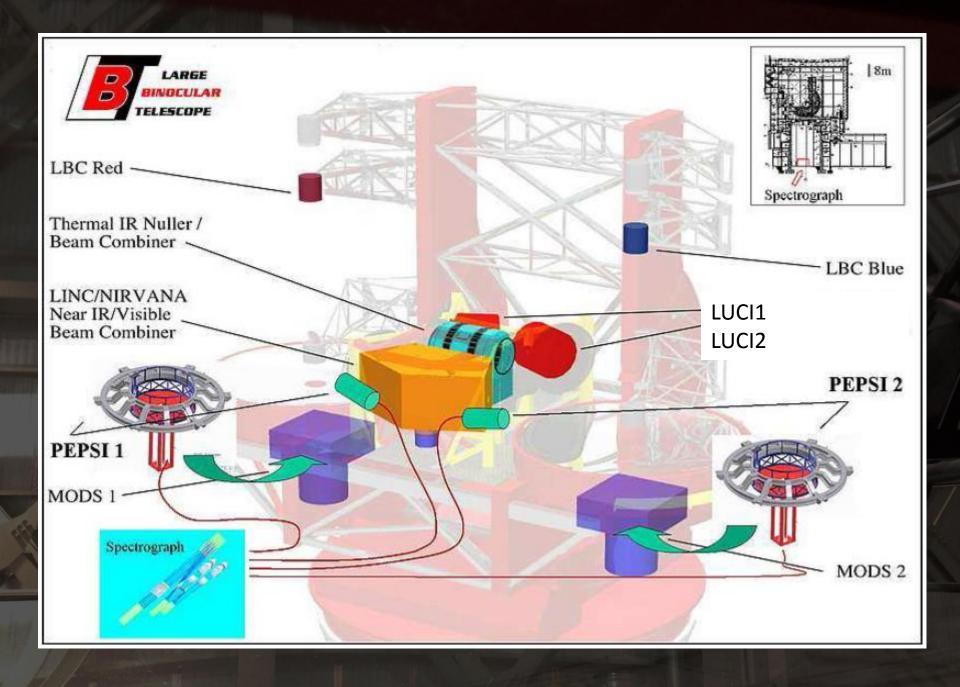


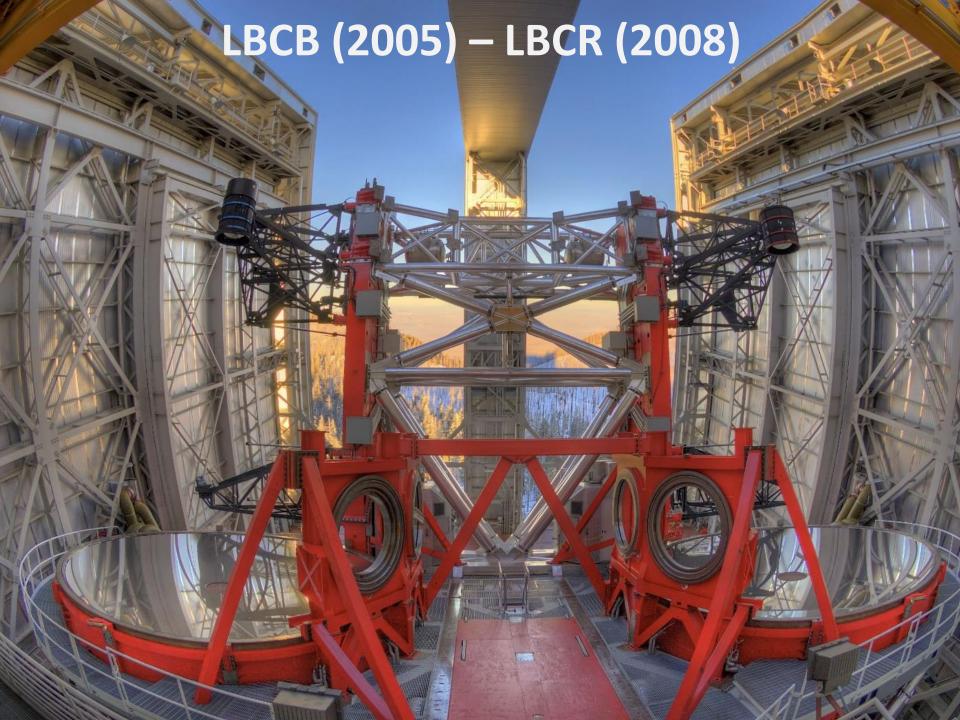


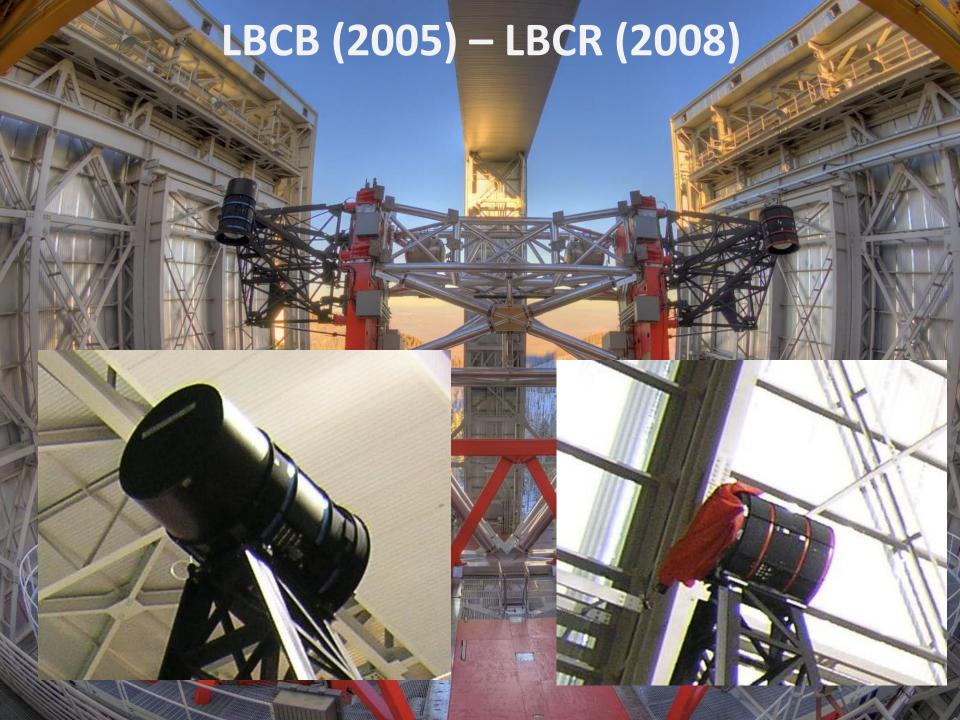




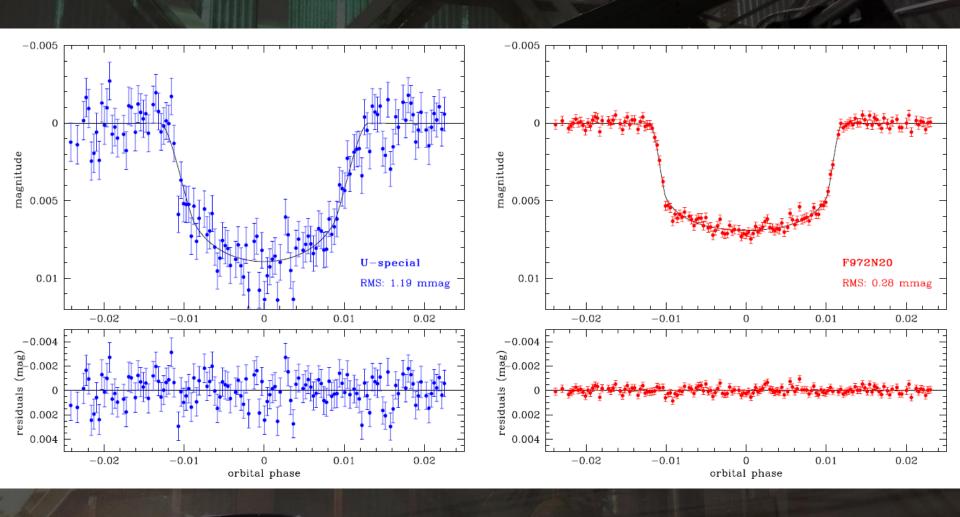




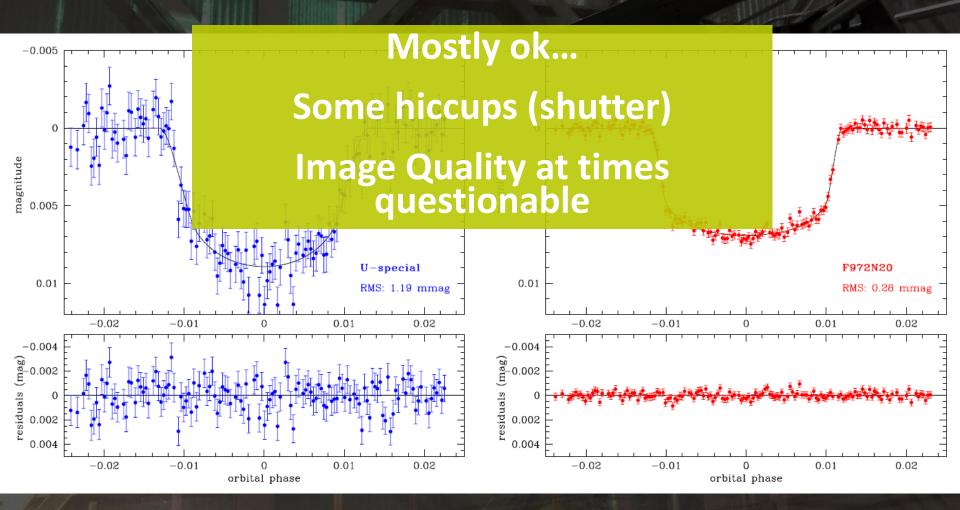




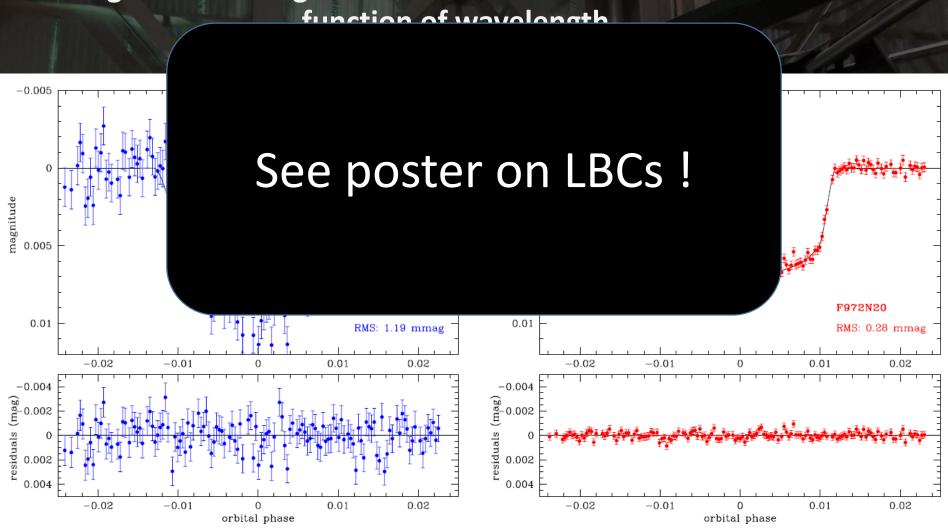
Simultaneous photometry in the ultraviolet ($\lambda c = 357.5$ nm) and optical infrared ($\lambda c = 963.5$ nm) allowed to detect a significant change in the effective radius of GJ3470b as a function of wavelength.



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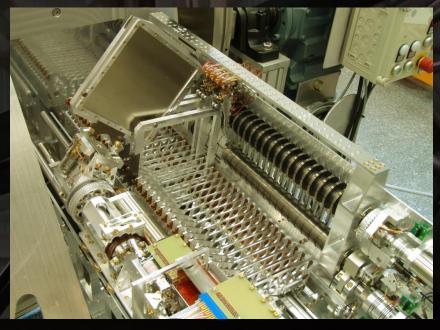


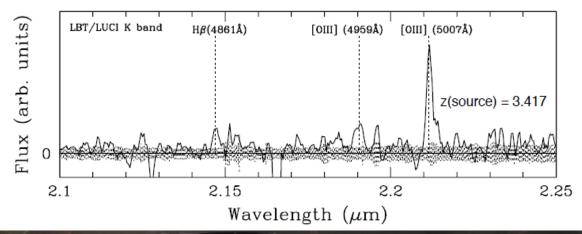
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LUCI1 - 2010 near-IR imaging + MOS (+ AO still to come)



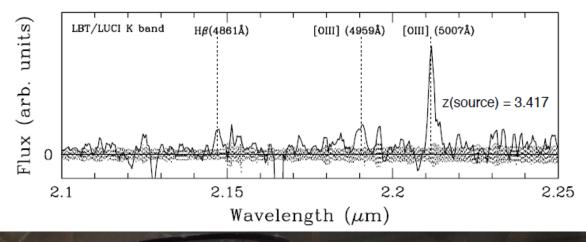




Most distant gravitational lens

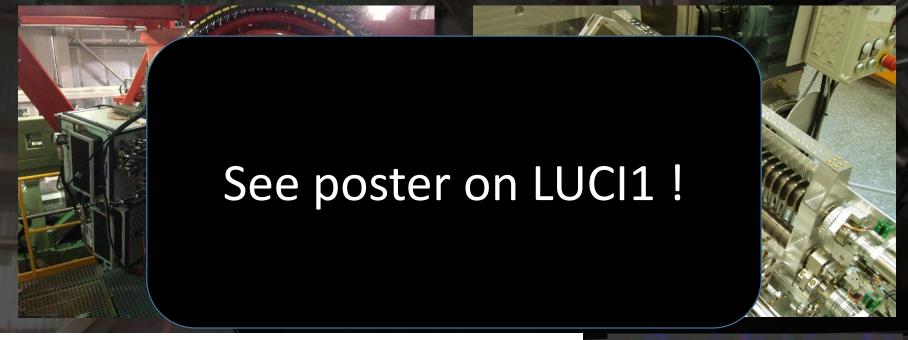
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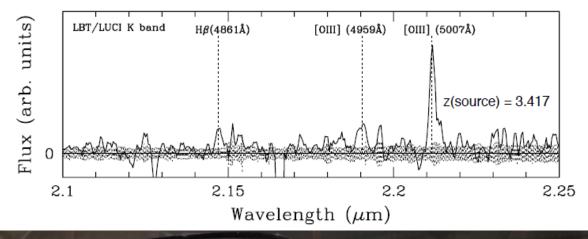




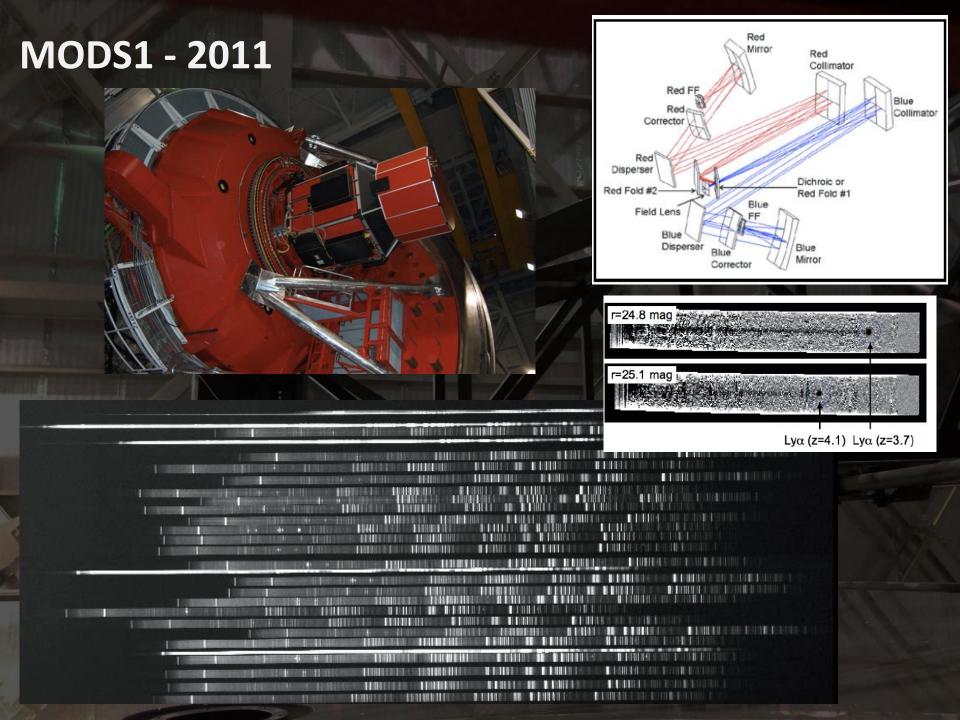
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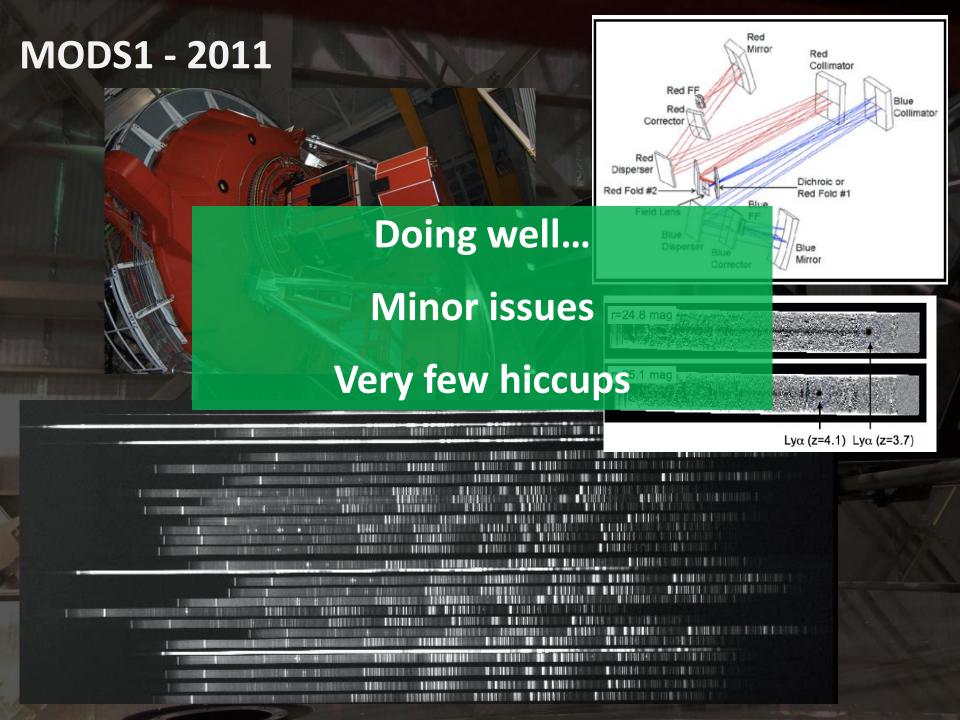
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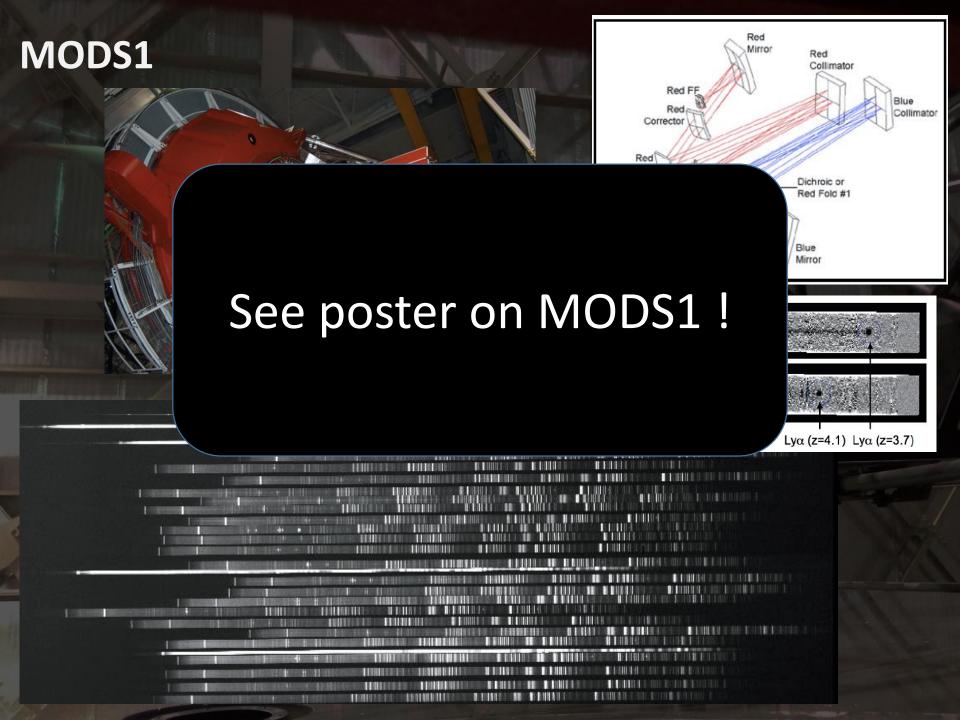


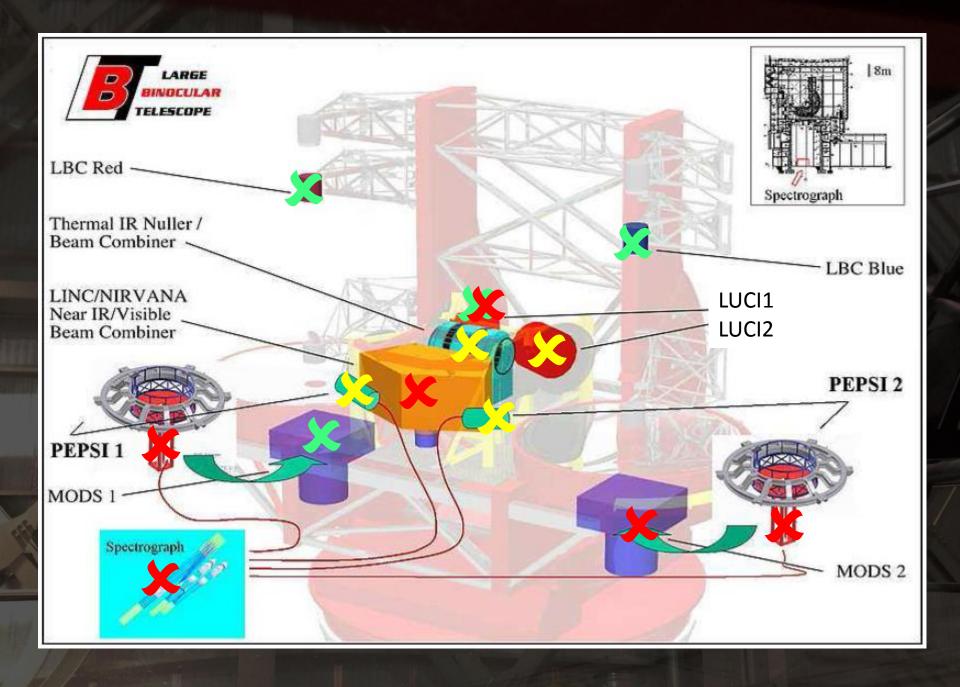


Most distant gravitational lens









Adaptive optics – 2 active secondaries!



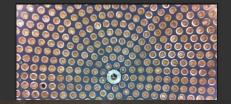
LBTO AdSec-DX recovery

Information on the recovery effort of the right-side adaptive secondary of the LBT.

Thursday, June 27, 2013

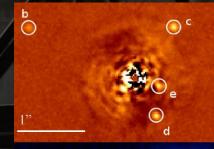
The actuators are back on the unit

By the end of the day (Wed Jun 26 - 21:00 local time), all the actuators were back on the unit.



Blog Archive

- 2010(11)
- ▼ June (8)
- ----
- FS4 on the mountain!
- Thin Shell #4 starting its journer
- thore closeling serio...
- The long road to recovery
- ssessing and cleaning...
- Assessing the status of the she
- 1.445.11.11.11



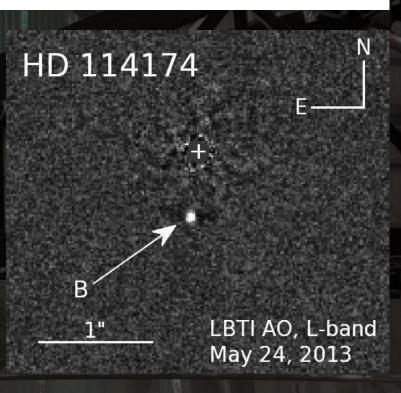


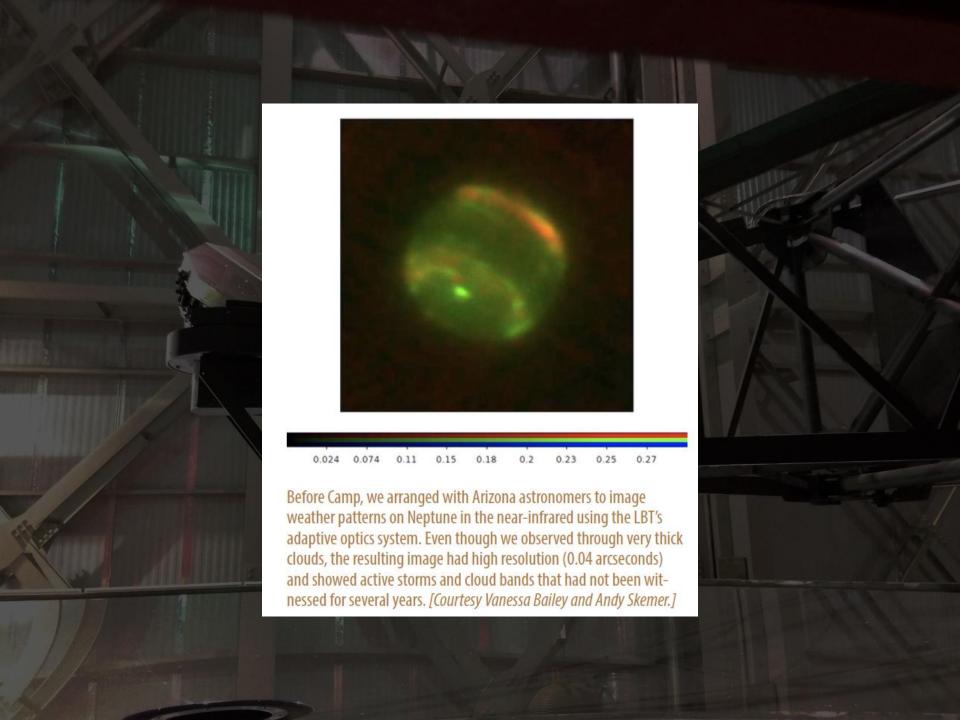
MID-INFRARED HIGH-CONTRAST IMAGING OF HD 114174 B : AN APPARENT AGE DISCREPANCY IN A "SIRIUS-LIKE" BINARY SYSTEM

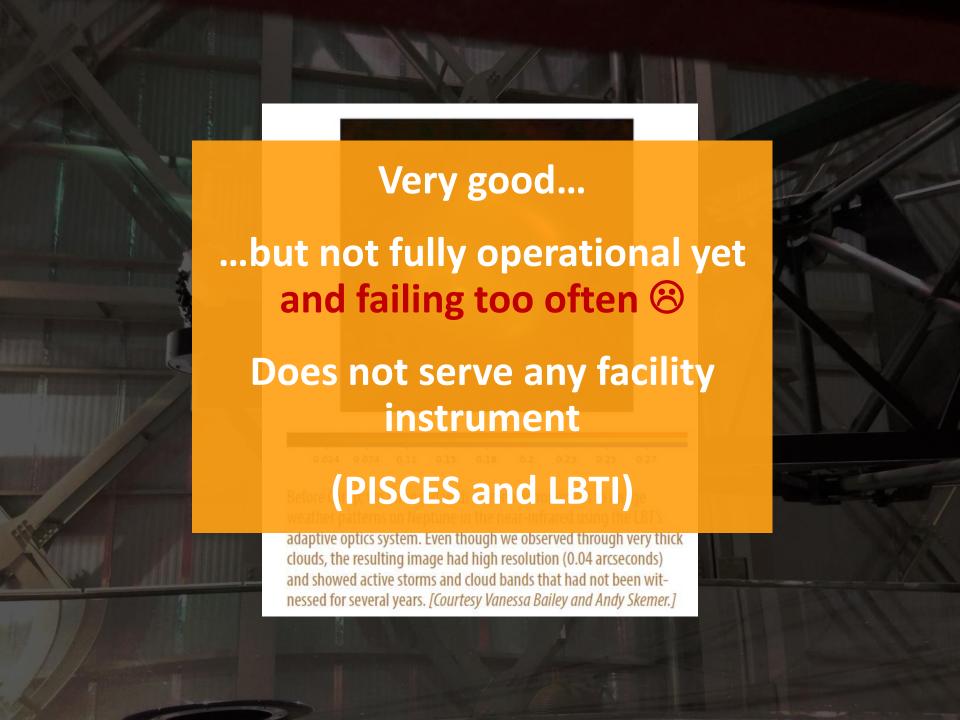
CHRISTOPHER T. MATTHEWS¹, JUSTIN R. CREPP¹, ANDREW SKEMER², PHILIP M. HINZ², ALEXANDROS GIANNINAS³, MUKREMIN KILIC³, MICHAEL SKRUTSKIE⁴, VANESSA P. BAILEY², DENIS DEFRERE², JARRON LEISENRING², SIMONE ESPOSITO⁵, ALFIO PUGLISI⁵

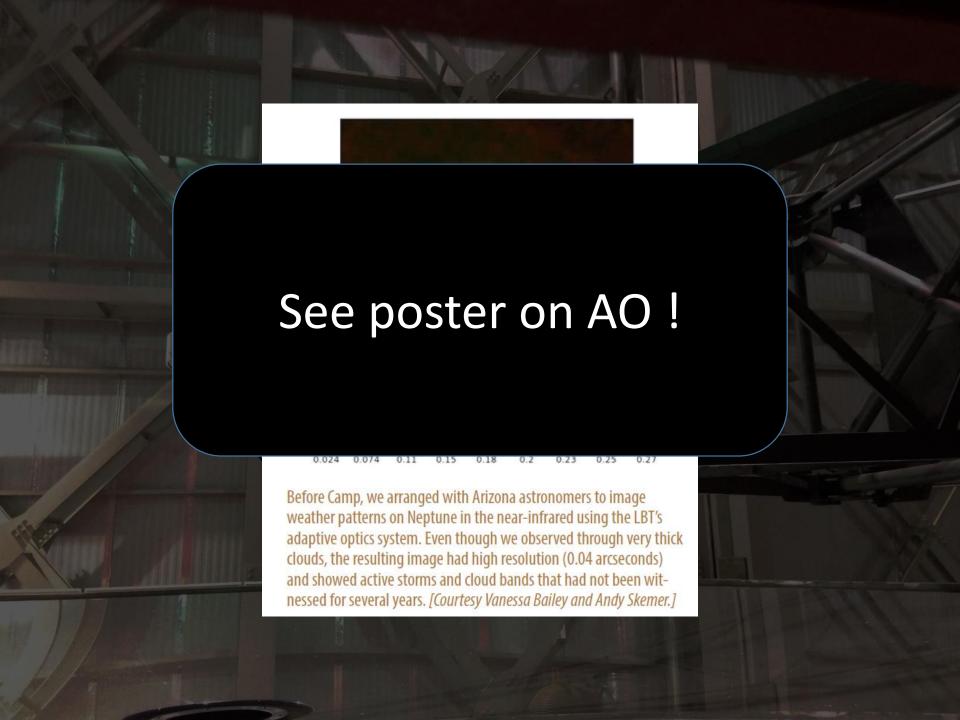
Draft version January 28, 2014

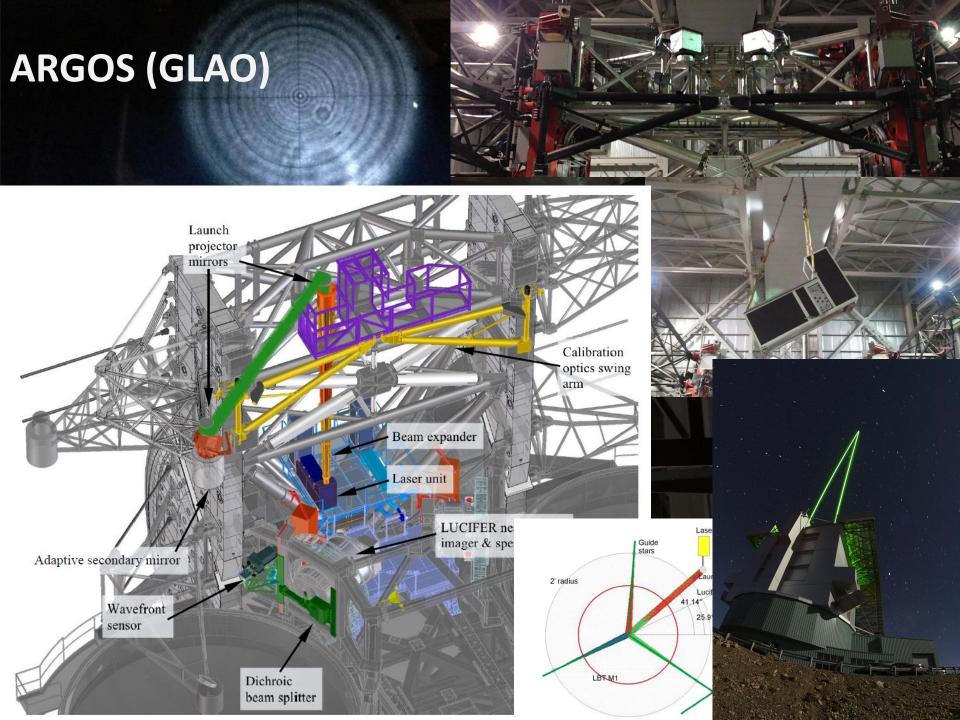
Previous attempts to image HD 114174 B at mid-infrared wavelengths using NIRC2 at Keck have resulted in a non-detection. Our new L'-band observations taken with the Large Binocular Telescope and LMIRCam recover the companion ($\Delta L = 10.15 \pm$ $0.15 \text{ mag}, \mathbf{p} = 0.675'' \pm 0.016''$ with a high signal-to-noise ratio (10σ) . This measurement represents the deepest L' highcontrast imaging detection at sub-arcsecond separations to date, including extrasolar planets.



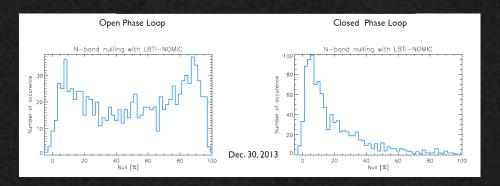






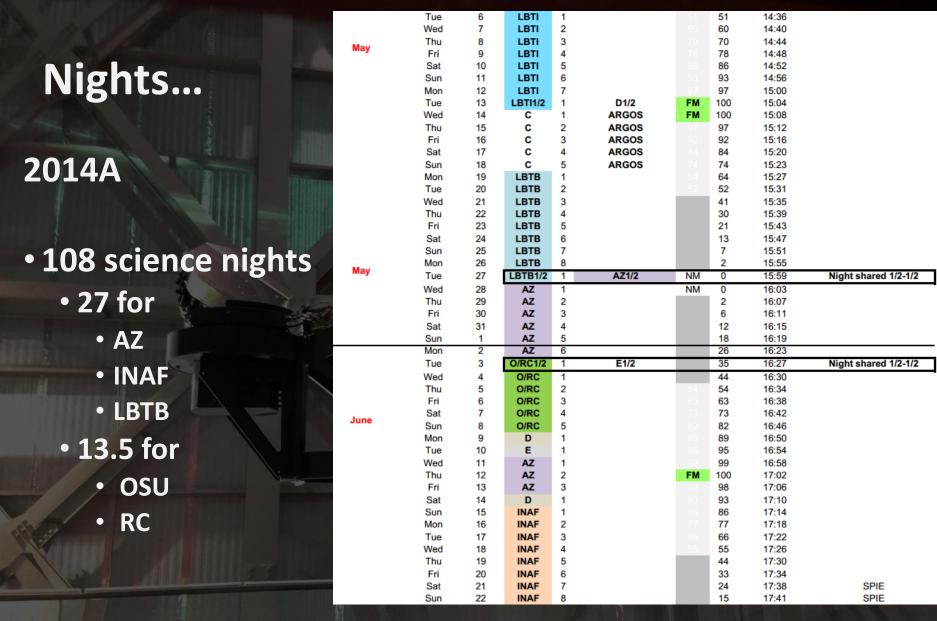


LBTI



LN-Pathfinder

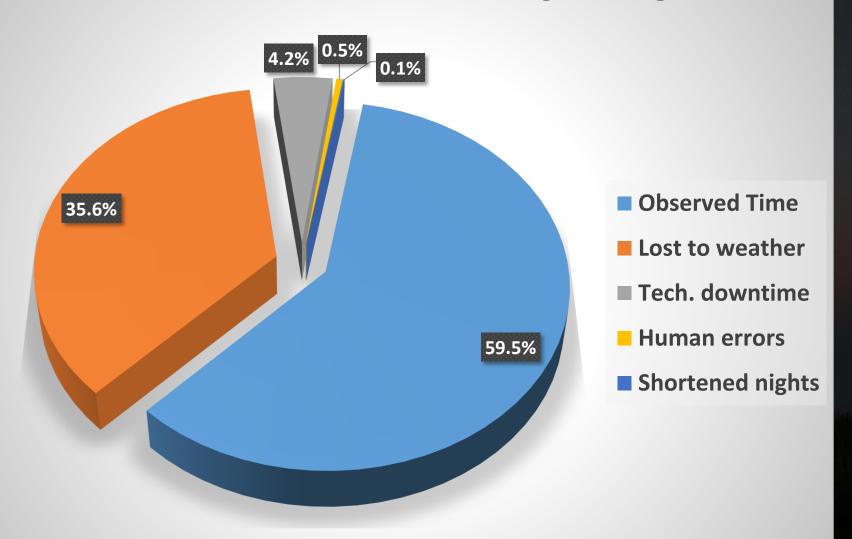




Of the 81 non-AZ nights, 8 nights go to LBTI (LEECH + Pis...)

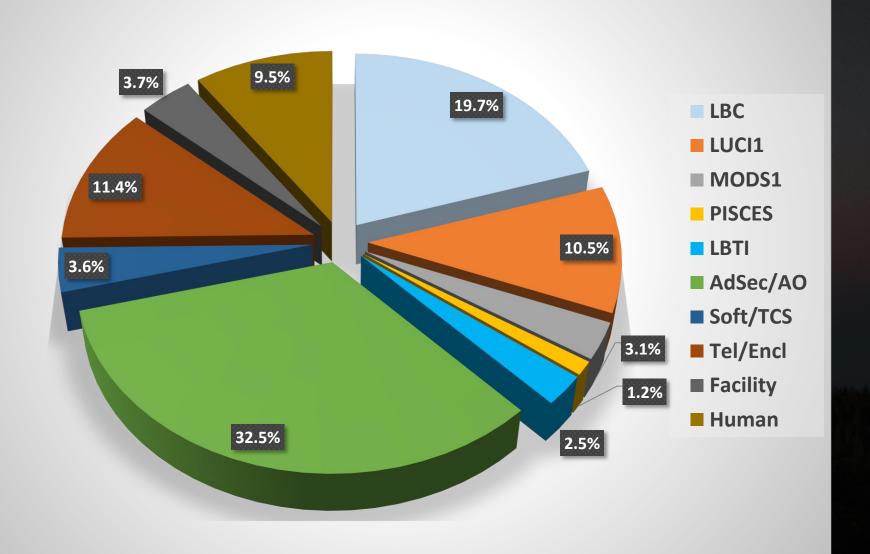
Efficiency... (13B)

2013 B - Where does the science night time go?



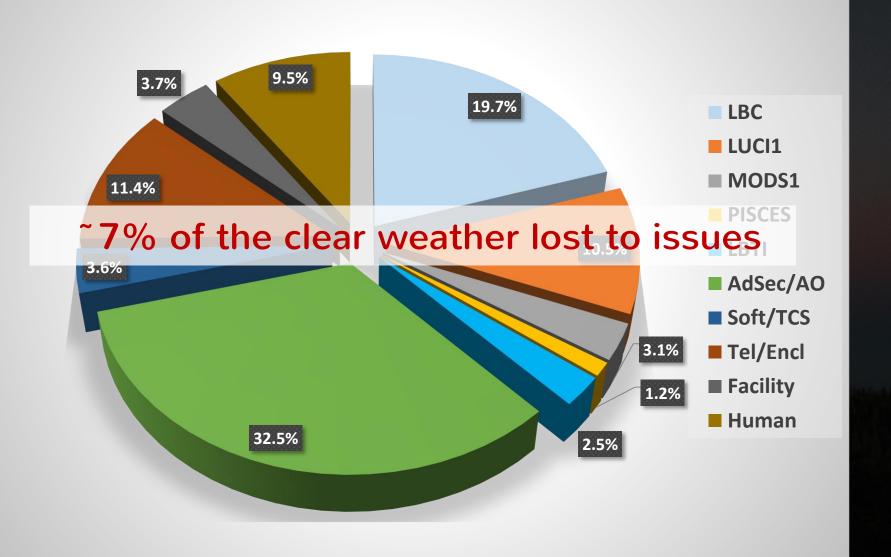
Efficiency... (13B)

2013 B - Downtime Sources



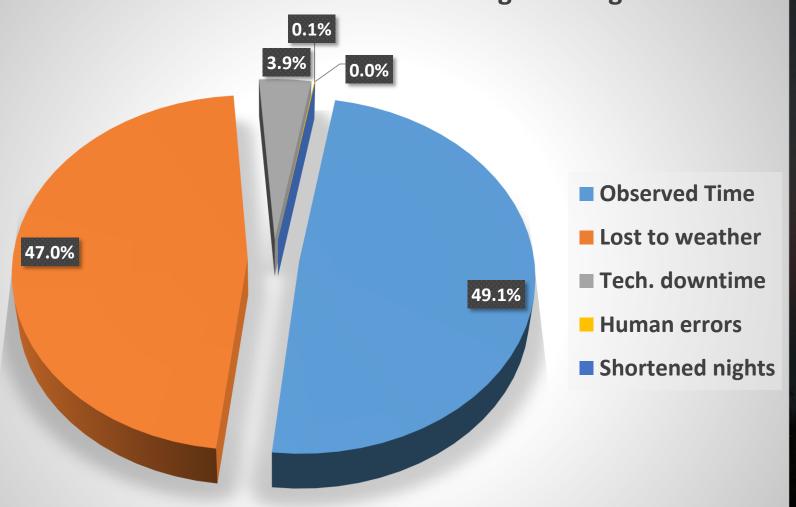
Efficiency... (13B)

2013 B - Downtime Sources



Efficiency... (14A)

2014A- Where does the science night time go?



Publications? Not that bad!!!

